

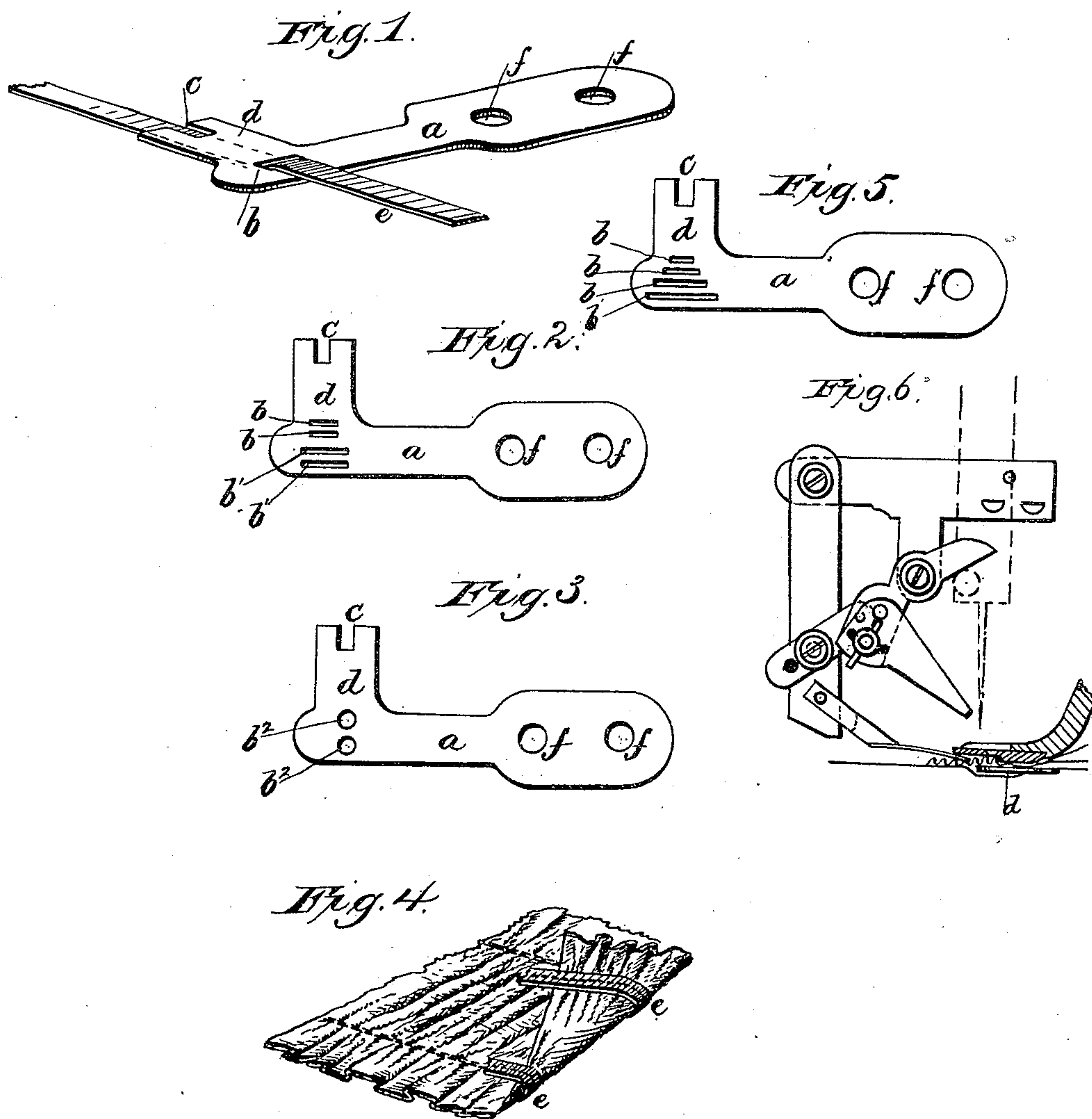
(No Model.)

J. W. CARTER.

BRAID GUIDE FOR SEWING MACHINES!

No. 246,941.

Patented Sept. 13, 1881.



Witnesses.
Frank L. Ouraud.
Geo. M. Finckel.

Inventor.
John W. Carter.
Assignor to E. W. Carter,
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UNITED STATES PATENT OFFICE.

JOHN W. CARTER, OF BROOKLYN, NEW YORK, ASSIGNOR TO E. W. CARTER,
OF SAME PLACE.

BRAID-GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 246,941, dated September 13, 1881.

Application filed November 29, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. CARTER, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Tape or Braid Guides for Sewing-Machines; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention is in the nature of a device for guiding braid, tape, and other or similar material to be incorporated in ruffling, shirring, or puffing while being formed in a sewing-machine.

The object of the invention is primarily to facilitate the incorporation in or attachment of a piece of braid, tape, or the like to cloth or other goods while being ruffled, shirred, or puffed, in order to strengthen the lines of sewing, to prevent pulling apart.

The invention consists in applying a slot or slots, hole or holes, to a separator-plate of a ruffling, puffing, or shirring attachment for sewing-machines, whereby the tape or braid may be fed along with regularity in line with the stitching or sewing, and be incorporated with or attached to the article to strengthen the sewing, and prevent the pulling apart or breaking up of the shirring or puffing, the said plate being adapted to impart more or less tension to the tape, &c., so as to properly govern or control its feed or progression.

In the drawings, in the several figures of which like parts are similarly designated, Figure 1 is a perspective view of a separator-plate adapted for attachment to the bed of the machine, while the feeder-plate is attached to the head of the machine. But I may here remark that I do not limit or confine my invention to this class of attachments, but may apply it in the separator-blade of such rufflers as have the said blade attached to their frames and the frame and blade or plate carried by the head or presser-bar of the machine. In this figure the tape is shown in position. Figs. 2, 3, and 5 are top or plan views of different forms of

my guide. Fig. 4 is a face and partly rear view of a piece of shirring or puffing made in accordance with my invention; and Fig. 6 is a partly-sectional elevation of C. H. Carter's ruffler, patented February 22, 1881, No. 238,086, combined with my improved stay-guiding separator-blade.

The guiding separator-plate *a* may be such a one as is shown in United States Patent No. 234,242, granted to C. H. Carter November 9, 1880, and I apply my improvement thereto in the shape of a slot, *b*, made therein in line with the needle-hole *c* of the machine feed-dog-covering portion *d*. Through this slot I pass a tape, braid, or equivalent strip, *e*, so that it shall extend between the plate and the feed-dog and be fed by such feed-dog simultaneously and progressively with the cloth or goods being shirred, puffed, or ruffled, and be incorporated therewith or attached thereto by the stitching, as indicated in Fig. 4, whereby the stitching is re-enforced and the puffing greatly strengthened, so as to the more perfectly resist the tendency to rip or come apart incident to the strain to which it is subjected in wearing-apparel.

The plate may be attached to the bed of various sewing-machines through a series of screw-holes, *f f*, but I make no claim to originality in this.

To increase the tension on the tape or braid, I may make use of two or more slots, *b b*, (see Fig. 2,) through which the tape or braid is passed. I may also provide these plates with a series of graduated slits or holes, (see *b b'* *b'' b'''*, Figs. 2, 3, and 5,) in order to adapt them to the employment of various widths or shapes of tapes or braid, and these slots may be in pairs of equal length, (see Fig. 2,) to secure tension on the same width of tape, or there may be a series of such slots of unequal lengths, (see Fig. 5,) to admit of the use of a greater number of widths of tape or braid, and to insure tension also.

The separator-plates of the Toof, Johnston, and kindred rufflers may be supplied with my tape-slots, or they may be replaced by my improved separator-plate.

The plate *a*, having the guide slots or holes, may be used for putting on ornamental braids. I do not in this case lay claim to my stayed

fabric, as shown in Fig. 4, since it will form subject-matter for another application.

What I claim is—

- 5 1. A tape or braid guiding separator-plate for sewing-machines, provided with a slit or hole and combined with a ruffling, puffing, or shirring attachment to aid in applying a re-enforce to the cloth or goods being ruffled, puffed, or shirred, substantially as described.
- 10 2. A tape or braid guiding separator-plate for ruffling, puffing, or shirring attachments

for sewing-machines, slotted to receive and direct the material upon the goods being operated upon in line with the sewing, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

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JOHN W. CARTER.

Witnesses:

CHAS. H. CARTER,
JOHN W. CARTER, Jr.